



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution		Dr. M. Mohan Babu
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		+919581993399
Mobile no.		7729999200
Registered Email		principal@svcetedu.org
Alternate Email		info@svcetedu.org
Address		R. V. S. Nagar, Tirupati Road
City/Town		Chittoor
State/UT		Andhra Pradesh
Pincode		517127

<b>2. Institutional Status</b>																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	06-Sep-2011																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Dr. E. Lokanadha Reddy																		
Phone no/Alternate Phone no.	+917780373131																		
Mobile no.	7780373131																		
Registered Email	iqac@svcet.in																		
Alternate Email	principal@svcetedu.org																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.svcetedu.org/aqar/svcet-aqar-2017-18">https://www.svcetedu.org/aqar/svcet-aqar-2017-18</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://svcetedu.org/academic-calendar/">https://svcetedu.org/academic-calendar/</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.08</td> <td>2017</td> <td>12-Sep-2017</td> <td>11-Sep-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.08	2017	12-Sep-2017	11-Sep-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.08	2017	12-Sep-2017	11-Sep-2022														
<b>6. Date of Establishment of IQAC</b>	17-Mar-2011																		
<b>7. Internal Quality Assurance System</b>																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries																
Use of ICT in teaching-	21-Jul-2018		180																

learning	1	
Student assessment strategies in OBE	27-Oct-2018 1	25
Evaluation reforms	19-Jan-2019 1	25
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**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institution	2f	UGC	2010 3264	0
Institution	12b	UGC	2010 3346	0
Institution	Colleges with Potential for Excellence (CPE)	UGC	2016 1098	0
Institution	Autonomy	UGC	2011 3027	0
Institution	SIRO	DSIR	2014 1874	0
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

- Inputs on curriculum design and development
- Introduction of Novel teaching methods
- Exploring scope for external research funding
- Inputs for student

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
Academic audit	• The status report of the functioning of the departments for further planning
Faculty development programs	• Subject domain training for teachers • Research and pedagogical skills
Student training activities	• Student placements in IT and core companies • Students pursuing higher education in national and international institutions
Promoting student experiential learning for skill development	• Increase in the laboratory component in the curriculum • New laboratories established
Augmenting library facilities	• Purchase of books pertaining to the programs as well for the competitive examinations
Promoting Students to participate in extension activities	• Increase in number of student activities through NSS
Increasing faculty research output	• Increase in number of publications
Novel teaching methods	• Improvement in quality of teaching • Improvement in pass percentage of the students
Curriculum implementation strategies	• Implementation of salient features of new regulations • Creating resources for newer curricular components

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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Governing Body	10-Aug-2019

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2019

Date of Submission	16-Feb-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<ul style="list-style-type: none"> <li>• Campus Portal</li> <li>• Batch Management</li> <li>• Attendance Management</li> <li>• Examination Module</li> <li>• Library Management</li> <li>• Training and Placement Module</li> <li>• Alumni Module</li> <li>• Hostel Module</li> <li>• Transport Management</li> <li>• Payroll</li> <li>• Finance and Accounts Management</li> <li>• Inventory and Store</li> </ul>

**Part B**

**CRITERION I – CURRICULAR ASPECTS**

**1.1 – Curriculum Design and Development**

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
Null	NA	NA	Null
No file uploaded.			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engineering	01/06/2008	Computer Programming in C (17ACS01)	21/08/2017
BTech	Civil Engineering	01/06/2008	Computer Programming Lab (17ACS02)	21/08/2017
BTech	Civil Engineering	01/06/2008	Data Structures (17ACS03)	21/08/2017
BTech	Civil Engineering	01/06/2008	Computer Aided Engineering Drawing (17AME02)	21/08/2017
BTech	Civil Engineering	01/06/2008	Communication Skills Lab (17AHS07)	22/01/2018
BTech	Civil Engineering	01/06/2008	Data Structures Lab (17ACS05)	22/01/2018
BTech	Civil Engineering	01/06/2008	Quantitative Aptitude and Reasoning – I (17AHS10)	22/01/2018

BTech	Civil Engineering	01/06/2008	Intellectual Property Rights (17AHS11)	22/01/2018
BTech	Civil Engineering	01/06/2008	Clinical Psychology (17AHS12)	22/01/2018
BTech	Civil Engineering	01/06/2008	German Language (17AHS13)	22/01/2018
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## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	DC Machines and Transformers Lab (17AEE017)	17/12/2018
BTech	DC Machines and Transformers(17AEE013)	17/12/2018
BTech	Introduction to Engineering Projects (17AME064)	25/06/2018
BTech	Electronic Devices & Circuits Lab(17AEE09)	25/06/2018
BTech	Electromagnetic Fields (17AEE08)	25/06/2018
BTech	Network Analysis and Synthesis (17AEE07)	25/06/2018
BTech	Engineering Geology Lab (17ACE22)	17/12/2018
BTech	Surveying Lab (17ACE13)	25/06/2018
BTech	Civil Engineering Material Testing Lab (17ACE14)	25/06/2018
BTech	Building Planning and Computer Drafting (17ACE08)	25/06/2018
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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	CSE	11/05/2015
Mtech	PE&ED	11/05/2015
Mtech	CAD/CAM	11/05/2015
Mtech	Software Engg	11/05/2015
BTech	Civil Engineering	14/07/2014

BTech	Electrical and Electronics Engineering	14/07/2014
BTech	Mechanical Engineering	14/07/2014
BTech	Electronics & Communication Engineering	14/07/2014
BTech	Computer Science & Engineering	14/07/2014
BTech	Information Technology	14/07/2014
BTech	Automobile Engineering	14/07/2014
Mtech	VLSI	11/05/2015
Mtech	Structural Engg	11/05/2015
Mtech	EPS	11/05/2015
Mtech	Machine Design	11/05/2015
MBA	MBA	25/05/2015
MCA	MCA	25/05/2015

### 1.3 – Curriculum Enrichment

#### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Substation Automation	02/07/2018	125
Smart Grid Technologies	16/07/2018	102
Energy-efficient lighting technologies	24/12/2018	112
Multilevel Inverter for Solar PV Systems	02/01/2019	145
Introduction to GPS	04/07/2018	240
Development of secure embedded systems	21/12/2018	177
Introduction to Python	26/12/2018	216
Radar Technology for atmospheric Research	04/07/2018	177
Enhancing Employability Skills	03/09/2018	83
Women Leadership	01/10/2018	44
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#### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering - Field Projects	84
Mtech	Structural Engineering- Field Projects	1
BTech	Electrical & Electronics Engineering- Field Projects	30

BTech	Mechanical Engineering- Field Projects	45
BTech	Electronics & Communication Engineering- Field Projects	120
BTech	Electronics & Communication Engineering- Internships	55
BTech	Computer Science & Engineering- Internships	6
BTech	Information Technology - Field Projects	2
MBA	MBA-Project	145
MCA	MCA- Internships	3
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

Feedback Obtained
The institution adopts online system for seeking the feedback/survey from various stakeholders. Each survey or feedback are established with a set of benchmark values/rubrics for analysis and generation of report.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Civil Engineering	120	102	73
Mtech	Structural Engineering	18	24	12
BTech	Electrical and Electronics Engineering	120	47	17
Mtech	Power Electronics & Electrical Drives	18	8	2



Mtech	Electrical Power Systems	24	12	4
BTech	Mechanical Engineering	180	108	79
Mtech	Machine Design	24	6	2
BTech	Electronics & Communication Engineering	240	276	213
BTech	Computer Science & Engineering	180	252	129
Mtech	Computer Science & Engineering	18	Nil	Nil
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## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	2386	403	296	89	Nil

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
385	385	Nil	80	59	Nil

[View File of ICT Tools and resources](#)

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### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes. The Institution adopts a mentor-mentee system where in a teacher mentor is allotted a batch of 10 Students for counselling. The process is conducted twice in a semester. The mentoring activities include • Suggestions for improvement in curricular aspects • Guidance relevant to preparation for National Examinations for higher education and Government group services • Mentoring for developing Traits in employability and entrepreneurship The mentor-mentee system is very much used in assessing the learning outcomes of students for improvement and guiding them for professional and personal development. The system thus facilitates to enhance the employability of students and their progression to higher studies

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2789	385	1:7

## 2.4 – Teacher Profile and Quality

#### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
33	33	Nil	33	5

#### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. A Mahamani (State Level)	Professor	Best Mechanical Engineering Teacher-2018: Sponsored by MITS, Madanapalle, Indian Society for Technical Education(A.P Chapter)
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### 2.5 – Evaluation Process and Reforms

#### 2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	M.Tech	I/II	19/08/2019	01/10/2019
Mtech	M.Tech	I/I	19/02/2019	03/03/2019
BTech	B.Tech	IV/II	10/04/2019	01/05/2019
BTech	B.Tech	IV/I	23/11/2018	29/12/2018
BTech	B.Tech	III/II	15/05/2019	06/07/2019
BTech	B.Tech	III/I	23/11/2018	29/12/2018
BTech	B.Tech	II/II	18/05/2019	06/07/2019
BTech	B.Tech	II/I	27/11/2018	29/12/2018
BTech	B.Tech	I/II	07/06/2019	06/07/2019
BTech	B.Tech	I/I	09/01/2019	03/03/2019
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#### 2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
6	2789	0.2%

### 2.6 – Student Performance and Learning Outcomes

#### 2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

### 2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
38	Mtech	DECS	2	2	100
04	BTech	Electronics & Communication Engineering	235	232	98.72
15	Mtech	Machine Design	2	2	100
04	Mtech	CAD/CAM	5	5	100
24	BTech	Automobile Engineering	7	7	100
03	BTech	Mechanical Engineering	199	195	97.99
54	Mtech	Power Electronics & Electrical Drives	1	1	100
02	BTech	Electrical and Electronics Engineering	115	114	99.13
20	Mtech	Structural Engineering	6	6	100
01	BTech	Civil Engineering	193	192	99.48

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### 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.svcetedu.org/sss-reports>

### CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes

Name of the teacher getting seed money

N Kiran Kumar

[View File](#)

### 3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
Nill	NA	NA	Nill	NA
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### 3.2 – Resource Mobilization for Research

#### 3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1825	DST-FIST	45	22.5
Major Projects	1095	DST-WOS-A	19.85	5.79
Major Projects	1095	DST	14.95	5.5
Students Research Projects (Other than compulsory by the University)	90	SVCET	0.5	0.5
Any Other (Specify)	2018	AICTE	4.38	4.38
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#### 3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.1

### 3.3 – Innovation Ecosystem

#### 3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Latest Technologies in Civil Engineering fields	Civil Engineering	02/08/2018
Advanced Technologies in Civil Engineering	Civil Engineering	17/09/2018
One Day Workshop on How to Prepare A Quality mix designs	Civil Engineering	26/02/2019
A Two day workshop on Solar Micro-grid inter connectivity	Electrical and Electronics Engineering	25/08/2018
Introduction to	Mechanical Engineering	23/07/2018

Robotics programming		
Additive Manufacturing	Mechanical Engineering	17/12/2018
One Day Seminar on Antenna Technology	Electronics and Communications Engineering	27/08/2018
Two days workshop on Arduino	Electronics and Communications Engineering	09/03/2019
Meet the Entrepreneur	Department of Management Studies	30/01/2019
Three Day Workshop on Statistical Application to Business	Department of Management Studies	15/03/2019
One Day Workshop on Personality Development and Career Planning	Department of Management Studies	28/04/2019
Amazon web services Development	Master of Computer Applications	16/07/2019
Block Chain Technology	Master of Computer Applications	15/10/2018
<a href="#">View File</a>		

### 3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
NA	NA	NA	NA	NA
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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NA	NA	NA	NA	NA	NA
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## 3.4 – Research Publications and Awards

### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electrical and Electronics Engineering	1
Mechanical Engineering	1
Humanities and Sciences	1

### 3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	2	0.23
International	Electrical and Electronics Engineering	3	0.2

International	Mechanical Engineering	16	Nil
International	Electronics and Communication Engineering	31	0.76
National	Computer Science and Engineering	8	Nil
International	Information Technology	5	0.25
National	Management Studies	2	1.8
International	Management Studies	6	0.8
National	Master of Computer Applications	1	Nil
International	Master of Computer Applications	2	Nil
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Management Studies	2
Information Technology	2
Electronics and Communication Engineering	1
Electrical and Electronics Engineering	2
Civil Engineering	7
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
NA	Nil	0	Nil
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Transmission Loss Allocation by Shapley Value Method	Dr.Y.N.V ijayakumar	International Journal of Advanced Research in	2018	Nil	SVCET(A), Chittoor.	Nil

		Computer Science Software Engineering Vol.8, Issue.4				
Control Implementation of Fuzzy based DFIG Wind Power Generators in Unbalanced Microgrids	Mr.P.R.M urali Mohan	International Journal of Advanced Research in Computer Science Software Engineering Vol.8, Issue.4	2018	Nil	SVCET(A), Chittoor.	Nil
Loss Minimization and Voltage Profile Improvement Using Autonomous Group PSO in a Distributed Power Systems	Dr.M.Vis hnuvardhan	International Journal of Advanced research in Electrical, Electronics Instrumentation Engineering Vol.7, Issue 2.	2018	Nil	SVCET(A), Chittoor.	Nil
Transmission Loss Allocation by Shapley Value Method	Mr.G.Ven kat Pradeep	International Journal of Advanced Research in Computer Science Software Engineering Vol.8, Issue.4.	2018	Nil	SVCET(A), Chittoor.	Nil
Transmission Loss Allocation by Shapley Value Method	Mr.K.Jan ardhana	International Journal of Advanced Research in Computer Science Software Engineering Vol.8, Issue.4.	2018	Nil	SVCET(A), Chittoor.	Nil
Performa	Dr.T.Dev	Trends	2018	Nil		Nil

nce Evaluation of Single Phase Cascaded Nine level Inverter Using PV System	araju	in Electrical Engineerin g, Vol.8, Issue.1.			SVCET(A), Chittoor.	
Performa nce Evaluation of Single Phase Cascaded Nine level Inverter Using PV System	Mr.C.Din akaran	Trends in Electrical Engineerin g, Vol.8, Issue.1.	2018	Nil	SVCET(A), Chittoor.	Nil
A Closed Loop Control Method for Renewable Energy App lications Using New Hybrid Boosting Converter	Ms.C.L.s ravanthi	Internat ional Journal of Scientific Research in Science, E ngineering And Techno logy, Vol.4, Issue.4.	2018	Nil	SVCET(A), Chittoor.	Nil
Optimiza tion of Wire Electric Discharge Machining Parameters in Machining of Ti-6Al-4V Alloy	Dr.A.Mah amani	Materials Today: Pro ceedings	2018	4	SVCET(A), Chittoor.	Nil
Evaluation Of A (R,Q,K,T) Single Item Inventory Replenishm ent Policy Through Excel Spread Sheet	Dr.A.Mah amani	INDUSTRIAL ENGINEERIN G JOURNAL	2018	Nil	SVCET(A), Chittoor.	Nil



Simulation In Supply Chain					
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Effect of Chromium on common CARP	Mrs.A. B huveneswari	International Journal of Management , Technology and Engineering	2018	5	7	SVCET(A), Chittoor
Peristaltic transport of Carreau fluid through a non-uniform channel with permeable wall	K.Komala and S. sreenadh	International Journal of Mechanical Engineering and Technology.129-1223,	2018	2	3	SVCET(A), Chittoor
A Machine Learning Based Decision Support System for Improvement of Smart Watering Equipment in Agricultural Fields	N Vikram	International Journal of Recent Technology and Engineering (IJRTE)	2019	Nil	1	SVCET(A), Chittoor
Automatic Object recognition based on Euclidean distance restricted Auto Encoder	Dr T Sunil kumar Reddy	ARNP Journal of Engineering Applied Sciences	2019	Nil	1	SVCET(A), Chittoor
Data	M.Balsub	Journal	2018	1	2	

Movement o ptimizatio n in a cloud envi ronment using Capacity o ptimizatio n Technique	ramanian	of Advanced Research in Dynamic and Control Systems				SVCET(A), Chittoor
A Machine Learning based approach for Computer Security	S.Vasu	Journal of Advanced Research in Dynamic and Control Systems	2018	Nil	2	SVCET(A), Chittoor
<a href="#">View File</a>						

### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Semi nars/Workshops	42	71	Nil	Nil
Presented papers	31	38	Nil	Nil
Resource persons	5	18	Nil	Nil
No file uploaded.				

### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering	Concrete Mix Designs, Preliminary tests on Cement, Sand, Coarse Aggregates, Testing of Steel Specimens, Soil Testing for different parameters, Bitumen Testing, Proof Check of Structural Design Drawings	SIRCO Projects Private Limited, Chittoor • Flotek Engineering Services Pvt.Ltd.Trichy • Krishi Infratech Engineering Contractors, Bangalore • IOCL, Yadamari, Chittoor District, Residencial Building	99800
Electrical and Electronics Engineering	Transformer Fault recognition	Shiridi Sai Electricals Pvt.Ltd	77500
Department of Management Studies	SMM Campaign Management for 'The	SupportSocial	40000

	Hangout', Tirupati		
Master of Computer Applications	Web Designing	R K Degree and Junior College	19500
Computer Science and Engineering	Website Designing	MJVPES	35000
Department of Management Studies	Developing A Complete Business Plan	HASSCOM Innovations	35000
Electrical and Electronics Engineering	Electrical Wiring Design	Prince Square Apartments	15000
Electrical and Electronics Engineering	Electrical Wiring Design	Sridevi Apartments	13000
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### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Civil Engineering	Practical Training	The Institution of Civil Engineers	123500	41
Electrical and Electronics Engineering	Transformer oil Testing	AP Transco	10000	30
No file uploaded.				

### 3.6 – Extension Activities

#### 3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
National Voters Day	MRO office, Puthalapattu	36	1800
International Literacy Week	MRO office, Puthalapattu	2	60
The Pulse Polio Immunization	Govt. Hospital, Chittoor	5	250
The Human Rights Day	District Legal Services Authority, Chittoor	5	200
AIDS Awareness Programme	Govt. Hospital, Chittoor	2	60
Blood donation camp	Govt. Hospital, Chittoor	20	300
NSS Day Celebrations	NSS Unit, SVCET, Chittoor	25	600

Anti-Ragging Awareness programme	District Legal Services Authority, Chittoor	15	600
Anti-Ragging Awareness programme	A.P. Police Authorities	15	550
NSS Orientation Program Preventive Health Check-up	RVS Hospital and Research Foundation, Chittoor	12	250
<a href="#">View File</a>			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NA	NA	NA	Nil
No file uploaded.			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
National Service Scheme	NSS UNIT 1 and 2	Swachh Bharath	10	1000
National Service Scheme	NSS UNIT 1 and 2	plastic awareness program	6	180
National Service Scheme	NSS UNIT 1 and 2	Clean Green Programme	10	300
National Service Scheme	NSS UNIT 1 and 2	AIDS Awareness Programme	8	175
Neeru Pragathi	Government of Andhra Pradesh, Water Resources Department	NEERU-PRAGATHI UDYAMAM (Planting Trees)	2	90
National Service Scheme	NSS UNIT 1 and 2	Girl Child Education	3	100
National Service Scheme	NSS UNIT 1 and 2	Akshara Abhyas	4	50
No file uploaded.				

### 3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
NA	NA	NA	0
No file uploaded.			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Training	3D Modelling Using Catia	Dassault System Lab	01/02/2019	30/05/2019	339
Training	Turning NC Control Programming	JNTU Anantapur	18/02/2019	23/02/2019	44
Training	Basic Robotics	JNTU Anantapur	11/02/2019	16/02/2019	46
Training	Rob CAD Basics	JNTU Anantapur	21/12/2018	27/12/2018	45
Training	Turning NC Control Programming	JNTU Anantapur	16/09/2018	24/09/2018	65
Internship	Economiser Fault Identifications	Rayalaseema Thermal Power Project, Kadapa.	23/03/2019	31/03/2019	10
Internship	Transformer Yard Maintenance	400 KV Substation, Vepenchery, Chittoor.	10/03/2019	20/03/2019	10
Internship	Industrial Internship	ITI, Bangalore	21/05/2018	04/06/2018	35
Internship	Industrial Internship	BHEL, Hyderabad	03/12/2018	21/12/2018	15
Internship	Industrial Internship	BHEL, Bangalore	03/12/2018	21/12/2018	06
<a href="#">View File</a>					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
The Institution of Civil Engineers (India)	26/05/2012	To conduct practical Training Tests and submission of project reports in respect of ICI	110

APSSDC Dassault Systems	10/01/2019	Software training on CATIA DALMA	222
ARC (Applied Robotics Lab)	02/01/2019	Hands on Training on Robotic Programming	223
FOSS(Spoken Tutorial) IIT Bombay	01/02/2014	Training on free open Source Tools	118
NPTEL Local chapter, IIT Madras	21/12/2015	MOOCs	158
No file uploaded.			

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
120	89.29

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
No file uploaded.	

### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
HCL SMART LIBRARY MANAGEMENT SYSTEM	Fully	1	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	62996	20978250	1229	409257	64225	21387507
Reference	10751	3622374	234	77922	10985	3700296

Books						
Journals	164	318232	Null	Null	164	318232
e-Journals	4782	1276726	Null	Null	4782	1276726
CD & Video	2000	Null	Null	Null	2000	Null
No file uploaded.						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr.S.Nagaraj	Verilog HDL Programming	OBS Studio	01/01/2019
No file uploaded.			

### 4.3 – IT Infrastructure

#### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1046	483	1046	15	314	58	63	70	113
Added	0	0	0	0	0	0	0	130	0
Total	1046	483	1046	15	314	58	63	200	113

#### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS
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#### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Video recording centre	<a href="https://www.youtube.com/watch?v=oS_H0uZ92Mg">https://www.youtube.com/watch?v=oS_H0uZ92Mg</a>
Video recording centre	<a href="https://www.youtube.com/watch?v=E95wt3yvGj8">https://www.youtube.com/watch?v=E95wt3yvGj8</a>
Video recording centre	<a href="https://www.youtube.com/watch?v=1T_DMpN7XYU">https://www.youtube.com/watch?v=1T_DMpN7XYU</a>
Video recording centre	<a href="https://www.youtube.com/watch?v=l0_EDU0AjiQ">https://www.youtube.com/watch?v=l0_EDU0AjiQ</a>
Video recording centre	<a href="https://www.youtube.com/watch?v=8DtggLyfH-E">https://www.youtube.com/watch?v=8DtggLyfH-E</a>
Video recording centre	

	<a href="https://www.youtube.com/watch?v=uwDvjSP2J2s">https://www.youtube.com/watch?v=uwDvjSP2J2s</a>
Video recording centre	<a href="https://nagarajece.blogspot.com/search/label/VERILOG?m=0">https://nagarajece.blogspot.com/search/label/VERILOG?m=0</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
725	526.47	615	479.7

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

<p>The institution strictly adheres to the norms and guidelines prescribed by AICTE in terms of establishing infrastructure. Based on this, a simplified operating policy is developed to create and maintain the infrastructure, for academic and support facilities. AICTE prescribed components of infrastructure:</p> <p>1. Instructional Area: Classrooms, Tutorial Rooms, PG Class rooms, Laboratory, Work Shop, Computer Centre, Drawing Hall, Library and Reading Room and Seminar Halls</p> <p>2. Administrative Area: Principal/Director room, Office, Board Room, Office all inclusive, Department Offices, Cabins for Head of Departments, Faculty Rooms, Central Stores, Maintenance, Housekeeping, Pantry for staff/Faculty, Common Room, Examinations Control Office, Training and Placement Office</p> <p>3. Amenities Area Toilets (Ladies and Gents), Boys Common Room, Girls Common Room, Cafeteria, Stationery Store and Reprography, First Aid cum Sick room, Principal 's quarter, Guest House, Sports Club/ Gymnasium, Auditorium Boys Hostel, Girls Hostel</p> <p>4. Circulation Area: Common walk ways, staircases, entrance lobby, etc.,</p> <p><a href="http://www.svcetedu.org">http://www.svcetedu.org</a></p>
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### CRITERION V – STUDENT SUPPORT AND PROGRESSION

#### 5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Smt. Harika Memorial Cultural Trust	15	400000
Financial Support from Other Sources			
a) National	Fee Reimbursement	2038	74772200
b) International	Nil	Nil	Nil
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft Skill	02/07/2018	2789	Training and



Development			Placement
Remedial classes	02/07/2018	353	All Departments
Language Lab	02/07/2018	2386	Humanities Department
Mentoring	02/07/2018	2789	Individual Faculty
Personal Counselling	02/07/2018	2789	Class teachers
Yoga	02/03/2019	250	Art of Living, Tirupati
<a href="#">View File</a>			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	GATE Coaching	367	Nil	24	Nil
2018	Career Counselling	Nil	899	Nil	763
2018	Pre-Employment Training	Nil	899	Nil	763
No file uploaded.					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
7	7	3

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
CTS	430	70	ATOS SYNTEL	336	48
<a href="#">View File</a>					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
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2018	24	B.Tech.	Civil Engineering	S.V.University Tirupati, JNTUA, Foreign Universities etc	M.Tech
2018	1	B.Tech	EEE	JNTUA, Anantapur	M.Tech (2019)-Energy Systems
2018	23	B.Tech	ECE	SITAMS	M.Tech/M.S
2018	5	B.Tech	CSE	• University of Windsor • Cardiff Metropolitan University • University of Koblenz and Landau • University of Duisburg-Essen • NIT Tiruchirappalli	MS M.Tech
No file uploaded.					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
Any Other	2
No file uploaded.	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Inter Departmental Football Competition	Institution Level	90
Inter Departmental Carroms Competition	Institution Level	372
Inter Departmental Chess Competition	Institution Level	320
Fresher's day Celebration	Institution Level	600
Inter Departmental Cricket Competition	Institution Level	112
Inter Departmental Volley Ball Competition	Institution Level	128
Inter Departmental Basketball Competition	Institution Level	160
Inter Departmental Throw Ball Competition	Institution Level	88

Inter Departmental Badminton Competition	Institution Level	120
College Annual Meet	Institution Level	750
No file uploaded.		

### 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Badminton (Women) Runners in 5th Autonomous Engineering Colleges Inter Collegiate Games Meet- Oct-2018, organized by RGCET, Nandyal	National	Nil	Nil	15781A0451	G.SUPRAJA
2018	Badminton (Women) Runners in 5th Autonomous Engineering Colleges Inter Collegiate Games Meet- Oct-2018, organized by RGCET, Nandyal	National	Nil	Nil	16781A0509	A.GANEESHA
2018	Basket Ball(Women) Winners in 5th Autonomous Engineering Colleges Inter Collegiate Games Meet- Oct-2018, organized by RGCET,	National	Nil	Nil	17781A05D6	T.Latha Sree

	Nandyal					
2018	Basket Ball(Women) Winners in 5th Autonomous Engineering Colleges Inter Collegiate Games Meet- Oct-2018, organized by RGCET, Nandyal	National	Nil	Nil	17781A05D4	T.Shivani
2018	Basket Ball(Women) Winners in 5th Autonomous Engineering Colleges Inter Collegiate Games Meet- Oct-2018, organized by RGCET, Nandyal	National	Nil	Nil	17781A04C7	P.Udaya Sree
2018	Basket Ball(Women) Winners in 5th Autonomous Engineering Colleges Inter Collegiate Games Meet- Oct-2018, organized by RGCET, Nandyal	National	Nil	Nil	15781A0445	Nainse Adiciba
2018	Basket Ball(Women) Winners in 5th Autonomous Engineering Colleges Inter Collegiate Games	National	Nil	Nil	17781D5801	K.Vishakha

	Meet- Oct-2018, organized by RGCET, Nandyal					
2018	Basket B all(Women) Winners in 5th Autonomous Engineerin g Colleges Inter Collegiate Games Meet- Oct-2018, organized by RGCET, Nandyal	National	Nill	Nill	17781A0494	Chandra Sarala
2018	Basket B all(Women) Winners in 5th Autonomous Engineerin g Colleges Inter Collegiate Games Meet- Oct-2018, organized by RGCET, Nandyal	National	Nill	Nill	17781A1208	M.Sowmya
2018	Basket B all(Women) Winners in 5th Autonomous Engineerin g Colleges Inter Collegiate Games Meet- Oct-2018, organized by RGCET, Nandyal	National	Nill	Nill	17781A0452	G.Praval ika

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Student Council is a nominated body. Every section of a class has one boy and girl representatives. The third-year student representatives are nominated as

office bearers for this council based on their competencies and interests. One senior professor is made in-charge for mentoring the council activities. To arrive at student needs and aspirations, the institution has been promoting greater participation of students in certain relevant decision-making process through few statutory and non-statutory bodies. Both the current students and alumni are part of these bodies Student participation in academic other activities • Student participation and their feedback for design of syllabus to design of evaluation process is ensured in creation of Vision, Mission, PEOs, Syllabus formation, evaluation and curriculum gap analysis. • Alumni is a part of Board of Studies • Students of Institution are involved in several committees to present their views for their development and the college as well. • The committees where students are included are Board of studies (BOS) of respective departments, IQAC, Disciplinary committee, women empowerment cell, Grievance Redressal Committee, Hostel Committee, and anti-ragging committee. There are student technical associations in each Department besides this, students are also members in many professional society chapters Viz., ISTE, IEEE, IETE, ACM, ASCE, ASME. Students organize extra and co-curricular activities under these associations and chapters. Student Council takes care of academic, co-curricular and extra -curricular activities such as: • Organization of Student Conferences, Workshops Seminars in various curricular co-curricular areas • Supporting the organization at Institution level workshops, Conferences, Seminars as part of Organizing Committee. • Organization of sports and games at Institution level and regional level with the support of Institution's Administration • Organization of cultural activities like: Annual Cultural Event, Teachers Day, Republic Day, Engineers Day, Debates, Essay Writing, Elocution, Hackathon, Ideathon • Social and technology extension activities in neighbouring villages of the institution to providing educational, health, hygiene sanitation services and green practices

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institution is having a formal alumni association which is very active and regarded as a key stake holder in academic and other development areas of the institution. Their contribution is huge in issues such as inputs for articulation of Vision, Mission, PEOs, Syllabus, evaluations, creation of amenities, Industry Institute needs and placements. Alumni members are part of BOS of the respective departments. The Institution organizes annual Alumni event which will be attended by its Alumni, not only in India but across the world. This event, which is organized in Every Year is generally attended by more than five hundred members. Alumni help the institutions in following ways: 1. Support by delivering Guest Lectures in the area of their expertise. 2. Helping institution by providing contacts for student's placement. 3. Providing some amenities in their respective Departments. 4. Guiding students who are going abroad for Higher education by providing temporary accommodation and other services. The institution is proud of achievements of its Alumni.

5.4.2 – No. of registered Alumni:

1265

5.4.3 – Alumni contribution during the year (in Rupees) :

275000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Association of the college is formed. Every year 19th of April will be celebrated as Alumni Association day

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Practice#1: Student counselling: The aim of the institution is to bring regularity discipline among students, apprise parents on performance behaviour of their wards, creating a platform for students to learn to improve their academic performance, behavioural, personal and interpersonal characteristics. Through counselling we can help students to develop ways of thinking for a successful and enriching future career. This will help for employability, higher education, entrepreneurship and lifelong learning through enhanced teacher-student relationship. The Principal delegates this responsibility to the concerned Heads of the Department to allot the students to each teacher mentor. Each teacher mentor then takes up the interaction with individual students by creating a schedule of meetings at least counsel each allotted student twice a semester to achieve the intended outcomes. Members involved: All faculty of the Institution except a few academic administrators, all students of the institution Outcome: Better teacher-student relationship and student holistic development Practice#2: Student Training The institution has developed a set of training modules to be used in conjunction with regular academics for all students. The objective of the training is to provide them with knowledge, foundational skills, domain skills and professional skills which they can apply in future opportunities. The Principal delegates the responsibility to the Head (Training). The Head (Training) shall identify the internal as well as the external resources for this purpose. Members involved: Head (Training), external expert trainers, internal trainers, all teachers (for domain skills). Outcome: Enhanced employability of students, their greater progression to higher studies and a few student entrepreneurs.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

### 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	<ul style="list-style-type: none"><li>• Introducing choice-based credit system</li><li>• Designing and developing curriculum content in line with American Societies Professional Knowledge areas.</li><li>• Introducing courses related to skill development, values and entrepreneurship into curriculum</li><li>• Seeking feedback from stakeholders for revising and updating the curriculum</li></ul>
Teaching and Learning	<ul style="list-style-type: none"><li>• Using modern tools and techniques in teaching</li><li>• Encouraging enhanced student participation though experiential learning, peer learning and problem solving</li><li>• Providing e learning resources for self-learning</li></ul>
Examination and Evaluation	<ul style="list-style-type: none"><li>• Designing examinations and other assessments based on Bloom's Taxonomy</li><li>• Adopting comprehensive formative assessments for continuous evaluation</li></ul>

	of students • Adopt technology in evaluation for speedy processing, quality and transparency
Research and Development	<ul style="list-style-type: none"> <li>• Recruiting teachers with experience and competence in research.</li> <li>• Equipping laboratories with relevant modern equipment, software and library resources to suit research demands.</li> <li>• Applying for external research funding in focused frontier areas.</li> </ul>
Library, ICT and Physical Infrastructure / Instrumentation	<ul style="list-style-type: none"> <li>• Designing infrastructure ergonomically.</li> <li>• Creating modern library facilities with multi-media support.</li> <li>• Creating smart classrooms to suit modern teaching-learning practices.</li> <li>• Adopting ICT in teaching, learning, training and administrative purposes for quality enhancement and transparency.</li> <li>• Introducing MOOCs in course structure for technology enhanced learning.</li> </ul>
Human Resource Management	<ul style="list-style-type: none"> <li>• Preparing an Institutional comprehensive training development plan for faculty and staff.</li> <li>• Supporting faculty in qualification upgradation.</li> <li>• Sponsoring faculty training in industry to acquire real time experience and expertise.</li> </ul>
Industry Interaction / Collaboration	<ul style="list-style-type: none"> <li>• Liasoning with industry for faculty, staff and student development.</li> <li>• Tie-up with industry for setting-up of advanced laboratories on campus.</li> <li>• Recruiting professionals from industry as adjunct faculty.</li> <li>• Seeking feedback and inputs from industry on curricular aspects and skill development.</li> </ul>
Admission of Students	<ul style="list-style-type: none"> <li>• Continuously updating the Institution's website projecting infrastructure, achievements and opportunities.</li> <li>• Presenting actively in the print/electronic media by continuously publishing Institutions' information.</li> </ul>

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Academic calendar, course configuration, Time table generations, teaching plans, scheduling co-curricular and extracurricular events, attendance and promotions
Administration	Campus Portal, Student Batch Management Library Management Transport Management HR module



Finance and Accounts	Payroll, Inventory and Store, Finance and Accounts Management
Student Admission and Support	Student admission and profiling Training and Placement Module Alumni Module and Hostel Module
Examination	Examination Module

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	P. Srinivasulu	Fundamentals of Mechatronics and Industrial Robotics in Applied Robotics Lab held at European Centre for Mechatronics, Aachen, Germany (08.12.2018 to 18.12.2018)	Nill	150000
2018	C. Umamaheswari	Fundamentals of Mechatronics and Industrial Robotics in Applied Robotics Lab held at European Centre for Mechatronics, Aachen, Germany (08.12.2018 to 18.12.2018)	Nill	150000
2018	S. Nagaraj	IEEE Sponsored International conference on new trends in Engineering and Technology ICNTET 2018, organized by GRT Institute of Engineering Technology, Chennai.	Nill	6000
2018	Pranava Bhargavi V	Lab View Workshop	Nill	5000

		Conducted by National instruments at Bangalore		
2018	D.Srihari	Lab View Workshop Conducted by National instruments at Bangalore	Nill	5000
2018	N Kiran Kumar	National Conference on Emerging Technologies in Civil Engineering, Organized by SV University Tirupati	Nill	2000
2018	Dr. B Damodhara Reddy	National Conference on Emerging Technologies in Civil Engineering, Organized by SV University Tirupati	Nill	2000
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Concrete Mix proportioning	Nill	18/09/2018	19/09/2018	10	1
2018	Two day Faculty Development programme on Smart Grid Technologies	Nill	09/10/2018	10/10/2018	15	Nill
2018	Decoding Block chain- Present and future prospects	Nill	12/11/2018	14/11/2018	25	Nill

	with big data					
2018	Short Term Training Programme on Modern Management Pedagogies	Nil	30/06/2018	13/07/2018	20	Nil
2019	Two day faculty Development Programme on VLSI Embedded Systems	Nil	21/01/2019	22/01/2019	27	Nil
2018	Nil	An Introduction for CNC programming	27/12/2018	29/12/2018	Nil	10
2019	Nil	Fire safety measures	27/06/2019	28/06/2019	Nil	25
2019	IoT using Arduino, Raspberry Pi and MQTT	Nil	24/01/2019	25/01/2019	6	Nil
No file uploaded.						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Faculty Development Program on Outcome Based Education	180	08/10/2018	13/10/2018	Nil
STTP on New Age Teaching Tools with Technology as Teaching Aid	34	02/02/2019	07/02/2019	Nil
3D Printing processing Application	2	16/07/2018	21/07/2018	Nil
STTP On Innovative and Effective Pedagogic	25	24/10/2018	06/11/2018	Nil

Practices				
Faculty Development Programme- (IUCEE International Engineering Educator Certification Program)	40	01/09/2017	31/08/2018	Nil
No file uploaded.				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
33	33	15	15

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Medical Health Insurance, Subsidised Transportation and Free Transportation during beyond working hours, Group Personal Accidental Policy, Purified Mineral water across the campus and Health Centre	Group Medical Health Insurance, Subsidised Transportation and Free Transportation during beyond working hours, Group Personal Accidental Policy, Purified Mineral water across the campus, Health Centre	Group Personal accidental Policy for all the students, Subsidised Transportation and Free Transportation during beyond working hours, Gymnasium, Yoga with Meditation hall, Purified Mineral water across the campus, Health Centre, Canteen Service with subsidised Rates, Aid for the Students Participating in overseas conference, Arrangement of bicycles to move in the Campus

**6.4 – Financial Management and Resource Mobilization**

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

<p>The Governing Body of the Institution shall direct and oversee the Institution's arrangements for internal and external financial audit. An Audit committee chaired by the Head of the Institution, the Finance Officer and one senior professor of the Institution as the members shall undertake and facilitate the process of Audit (both internal and external) and report to the Governing Body. The internal audit of finance is done as day-to-day monitoring by the principal and the accounting team. The external audit is done once in a year.</p>
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6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NA	0	NA
No file uploaded.		

## 6.4.3 – Total corpus fund generated

0

**6.5 – Internal Quality Assurance System**

## 6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AAA Committee	Yes	IQAC
Administrative	Yes	AAA Committee	Yes	IQAC

## 6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parents are regularly invited to Parent Teacher meetings to discuss the need /problem / progress of their wards. Relationship Management Centre with an exclusive psychology counsellor is created chiefly to strengthen the parent teacher relationship. Student mentor details are provided to the parents to pursue their ward's performance

## 6.5.3 – Development programmes for support staff (at least three)

- Training / workshops/seminars are conducted.
- Academic / study leaves are granted to encourage higher education.
- Financial support is provided to the staff for acquiring higher qualification

## 6.5.4 – Post Accreditation initiative(s) (mention at least three)

- 3 week Induction program for Ist B.Tech students is introduced.
- Introduction of Design sensitization course as part of Academic curriculum.
- The Learning outcomes of students attainment in Outcome Based Education (OBE) through Automation.
- Up-gradation of faculty knowledge to suit industry 4 needs by incorporating emerging technologies like AI,ML, Data Sciences, Internet of Things, 3D Printing etc.
- Revision of Curriculum in 5 B.Tech and 11 M.Tech programs

## 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

## 6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Use of ICT in teaching-learning	21/07/2018	21/07/2018	21/07/2018	180
2018	Student assessment strategies in OBE	27/10/2018	27/10/2018	27/10/2018	25
2019	Evaluation reforms	19/01/2019	19/01/2019	19/01/2019	25

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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women's day celebration	08/03/2019	08/03/2019	123	5
Women Empowerment program for faculty and students	03/10/2018	03/10/2018	223	Nil
Self Defence workshop for Girls	17/08/2018	18/08/2018	242	Nil
Awareness Camp on Women Self-Reliance	06/10/2018	06/10/2018	39	Nil
Poster Making on 'Economic Empowerment of Indian Women'	29/12/2018	29/12/2018	21	Nil
Women in Engineering-WIE	08/03/2019	08/03/2019	44	Nil
Awareness Programme on Women Empowerment	02/04/2019	02/04/2019	46	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Percentage of power requirement of the College met by the renewable energy sources

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	Nil
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to	Number of initiatives	Date	Duration	Name of initiative	Issues addressed	Number of participating
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	address locational advantages and disadvantages	taken to engage with and contribute to local community					students and staff
2018	Nil	1	11/08/2018	1	Computer Literacy	Basic knowledge of computers to the local public in the college neighbourhood	16
2018	Nil	1	15/09/2018	1	Health awareness campaign by NSS Units in association with RVS Hospital, Chittoor	Basic health check-up and profiling	70
2018	Nil	1	10/11/2018	1	Swachh Bharat Mission by NSS Unit	Maintenance of the surroundings and community	87
2018	Nil	1	09/02/2019	1	Awareness on digital financial transactions by MBA MCA Departments	Easy and safe mode of transactions	12
2018	Nil	1	16/03/2019	1	Awareness on Waste disposal Procedures by Civil Engineering Department	Healthy and clean community surroundings	20
2018	Nil	1	20/04/2019	1	Awareness on Safe	Optimum and efficient	14

and use of electrical appliances and equipment  
economic Electrical practices by EEE Department

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### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for employees	01/06/2017	All the staff members (Teaching Non-Teaching staff) are apprised about the Roles Responsibilities associated with their positions. This helps communicate the expected the code of conduct from each employee.

### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Introduced Professional Ethics as Audit course	01/08/2018	01/12/2018	2789

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### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Restricted vehicle movement inside the campus. 2. Actively involving students in all eco-friendly initiatives suggested by both Central and State Governments. 3. Regular maintenance of green cover in the campus. 4. Reduced usage of paper by switching over to digital methods.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices Best Practice#1 Title of the Practice E-governance in administration and management of the institution Objectives of the Practice • To provide easy and secure access to stakeholders for all activities of the institution • To establish transparency and accountability in the governance process • To minimize the resources/spending through digitalization and automation. The Context The world is moving to digital platforms, it is much needed for educational institutions to quickly adopt and adapt to information and communication technologies. The core functions of the academic institutions - academics, administration and finance have to be transposed to digital platforms for ease of operation, transparency, accountability and cost effectiveness. The Practice The institution has made requirements gathering from all the stakeholders and made identification of applications and its dependency Then the user friendliness was considered critical for operational convenience. The Institution now implements an ERP provided by BeeS Software Solutions Private Limited Evidence of Success The management at all levels has become very convenient. The entries and records for admission to attainment of program outcomes, everything is available in one single platform for use. The efficiency of the systems and ease of functioning



has increased Problems Encountered and Resources Required Requirements gathering was too exhaustive and identifying the dependency between different verticals and parameters sometimes is tough. Resources required are internet, relevant hardware and the ERP package besides training for all the users by the vendor. Notes: In this digital age, the educational institutions must take advantage of Information and communication technologies to manage the institutions with transparency and accountability Best Practice#2 Title of the Practice Training Needs Analysis for comprehensive Faculty Development Objectives of the Practice • To train members of faculty holistically • To achieve enhanced organizational performance by improving employee performance through training in domain areas, research and pedagogy The Context Professional development promotes faculty responsibility for continuous, career-long growth with the understanding of instructional concepts and teaching processes that can be expanded and deepened. We will be using Training Needs Analysis (TNA) for developing a comprehensive Teacher development plan. TNA is a tool to measure the gap between the current and desired individual and organizational performances The Practice • Enumerating organisational goals and challenges in faculty competence • Assessing required employee performance to meet the goals and challenges • Assessing required employee Skills, Knowledge and Attitude to deliver the performance • Identifying employee training needs to bridge the gap It is very significant, since all the teachers will give their individual training needs plan. All these plans putting together will result in a comprehensive training plan. Identifying the right host institution for sending our teachers for capacity building is always a challenge because of the rigidity of the academic calendar and availability of requisite time. Evidence of Success The teachers training has yielded quality in teaching, introduction of new teaching methodologies, increased research output and student progression Problems Encountered and Resources Required • Availability of suitable training programs during semester breaks or summer vacation • Teacher's commitment to stay in the institution post training Notes Teachers training in domain knowledge, research competence and pedagogical skills is much required for excellence in student development and organized process of conducting Training Needs Analysis will help the institution with an advantage.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.svcetedu.org>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

**Distinctive Achievement:** Securing national rank in this region under National Institutional Ranking Framework The vision of the institution is to train young students into dynamic, competent, valued and knowledgeable professionals who will contribute to the nation. They are provided with contemporary education to become well rounded personalities. Also, the mission of the institution is to focus on faculty and student research and innovation so that institution contributes it best by producing brilliant alumni besides outcomes of research and innovation for the growth and development of the nation **Priority:** After successfully securing accreditation status the institution wanted to benchmark itself with other institutions in the nation by participating in national ranking process of educational institutions. Since this project will catapult the impression and image of the institution at the national level to all its stakeholders, it was taken as a challenge. **Thrust:** Teaching-learning resources: The institution was basically established as a teaching-learning institution and hence it has created a niche for itself in Teaching -Learning and created excellent resources to support. **Research and Professional Practice:** The

institution in its pursuit for excellence has made Research, consultancy and Professional Practice as growth verticals. The faculty and students have done extremely well to attain outcomes in these areas Graduation Outcomes: The comprehensive student development plan of the institution has yielded exceptional placements to the students, progression to higher education in reputed national and international institutions Outreach and Inclusivity: As part of institutional social responsibility, the institution has been active in its social extension activities as well created a ecosystem on campus for promoting inclusive measures of all stakeholders Perception: The feedback from the alumni, parents and employers depicts a positive and overwhelming response Outcome: The institution was one of the few private engineering colleges to secure a national rank 150-200 in the year.

Provide the weblink of the institution

<http://www.svcet.edu.org>

### **8.Future Plans of Actions for Next Academic Year**

- To implement new Curriculum Assessment strategies in line with Bloom's taxonomy to attain the expected program outcomes and program specific outcomes
- To introduce novel teaching methods especially technology assisted methods to enrich the learning process
- To network with institutes of eminence for research thereby increasing faculty research output
- To train the members of faculty in the areas of their respective Domains and pedagogical skills
- To augmenting library facilities with e-learning content and journals to facilitate faculty and student research
- To enhance the learning experience of students by giving self-learning exercises and mini projects for skill development
- To conduct Campus placement related training activities besides the coaching for GATE and other national and international examinations
- To organize faculty development programs in advanced areas of domain, thrust areas of research, intellectual property rights and modern pedagogical methods
- To conduct an Academic audit for ascertaining the functioning of the departments for further planning